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The Files

6 May 1959

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Trip Report - Atlantic Research Corporation

1. On 29 April 1959 a visit was made to Atlantic Research Corporation, Alexandria, Virginia to observe Foamed-In-Place polyurethane resins and their applications in packaging. Those present were:

William Stuart, Atlantic Research

Frank Boesche, Atlantic Research

Logistics

RSS

Logistics

D Lab

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2. Atlantic Research is making tests, for the Army, of their Foamed-In-Place resins for the purpose of protecting objects and equipment against shock and impact by surrounding them with semi-rigid foam. By controlling the size of the air cells, various sizes and weights of objects could be protected against impact. Tailoring formulations of the plastics to an object, the object could be surrounded with foam, dropped from great heights, and survive. Upon impact, the foam would collapse, taking up the shock, protecting the object.

3. Other uses of the foam are insulation, audio insulation, and structural use. The plastic is a two-component system and is ready to foam and form in place within 30 seconds. Through other formulations this material can be made very rigid or flexible like a sponge.

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